P.W.G. 17 — 1st and final bill — Original/Duplicate/Triplicate

NO — CONTRACT CERTIFICATE — Reference paras 158 & 170

Division: Yelahanka — Sub division: Yelahanka New Town — Date

Bills received No — Date — Sub-divisional / Divisional — Cash book vr No — Date

YNK-DBR No. 61 Date 16.01.18

Scheduled Docket No: P-0190 — Head of account

Name of work(as per sanctioned estimate) :-

Work code:003-17-000073

NAME OF WORK :**Improvements and asphalting of roads and drains at Thirumalanagara ABCD blocked in ward no 03**

Name of contractor and full address :-

Reference to agreement No :-

Technical Manager (west)

Estimated cost :50.00 W.O.dated:

Certified that the measurments were taken by me on 20/12/2017 and recorded on pages 11745 to 11755 of measurment book No 1148 and the work is satisfactorily executed by the contractor.

Signature of contractor

Assistant Engineer

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Certified that the measurments were taken by me on 20/12/17 and recorded correct.The work is satisfactorily executed
Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---	1st & Final	4694159:00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No-------dated----------S.D No----------Amount adjusted towards cash advance recovery of	PSD	234708:00
	CGST	46942:00
	SGST	46942:00
b) Cost of payments/stores or other materials supplied now made recovery of	IT	93884:00
Amount paid on this bill by cheque/cash	LC	46942:00
Total	CBF	4694:00
	LR	4250000:00
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book	T.D	576612:00
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)	Net	4117547:00
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Reciept Stamp

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Date

Initials of officer making payment

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Audited & Admitted for Rs. 4694159:00

Date 4117547:00 Executive Engineer

and Rs. 576612:00

Asst. Engineer Yelahanka Division BBMP

Exe. Engineer Yelahanka Division BBMP

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).	Sqm			918.90	80.56	74026.58	918.90	74026.58
	(Page No 25., I.No.5.33 of KPWD S.R 2016-17)								
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum			624.05	86.92	54242.43	624.05	54242.43
	(Page No142., I.No.19.1 of KPWD S.R 2016-17).								
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick	Sqm			359.63	825.74	296960.88	359.63	296960.88
4	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Cum			135.45	2100.00	284445.00	135.45	284445.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
5	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301	Cum			981.13	48.76	47839.90	981.13	47839.90
	(Page No 143., I.No.19.14 of KPWD S.R 2016-17).								
6	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum			395.63	1665.26	658826.81	395.63	658826.81

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
	(Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
7	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum			659.38	1768.08	1165836.59	659.38	1165836.59
	(Page No 158., I.No.20.18 of KPWD S.R 2016-17).						0.00	0.00	0.00
8	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502	Sqm			2637.50	27.56	72689.50	2637.50	72689.50
	(Page No 161., I.No.21.6 of KPWD S.R 2016-17).								

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
9	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	Sqm			2637.50	11.66	30753.25	2637.50	30753.25
	(Page No 161., I.No.21.7 of KPWD S.R 2016-17).								
10	KSRRB M500- 17. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507	Cum			131.88	6435.26	848682.09	131.88	848682.09
	(Page No 163., I.No.21.17.6 of KPWD S.R 2016-17).						0.00	0.00	0.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
11	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509	Cum			79.13	7270.54	575317.83	79.13	575317.83
	(Page No 165., I.No.21.22.6 of KPWD S.R 2016-17).						0.00	0.00	0.00
12	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 7kms.	Cum			1605.18	90.40	145108.27	1605.18	145108.27
	.(Refer Table. Page No.140)								

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
13	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH	Sqm			95.52	542.72	51840.61	95.52	51840.61
	(Page No 185, I.No.24.15 of KPWD S.R 2016-17).								
					TOTAL Rs		4306569.70		4306569.70
	KRIDL Charges 3%						129197.09	344525	129197.09
	Labour cess 1%						43065.69	43065	43065.69
	GST 12%						516788.36	—	516788.36
					GRAND TOTAL Rs		4995620.84		4995620.84

G.T. 4694159=00

Asst. Engineer

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore-560064